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101 acaaauaacc cuuaggaguu ggcauggcga auauguuugc ccugauucug
151 gugauugcca cacuggugac gggcauuuaa uggugcgugg auaaaauuuu
201 uuucgcaccu aaacggcggg aacgucaggc agcggcgag gcggcucggg
251 acucacugga uaaagcaacg uugaaaaagg uugcgccgaa gccuggcugg
301 cuggaaaccg gugcuucugu uuuuccgguu cuggcuauccg uauugauugu
351 gcguucguuu auuuangaac cguuccagau cccgucaggu ucgaugaugc
401 cgacucuguu aaugggugau uuuaucugg uagagaaguu ugcuauggc
451 auuaaagau cuaucuacca gaaaacgcug aucgaaaacg gucauccgaa
501 acgcggcgau aucguggucu uaaaauaacc ggaagaucca aagcuu

FIGURE 1

1 cugcaggcug agguuguugcc cuuacaaaug caacaacgac auggauuaca
 51 acacccucan aaacaaaggg caaucaccug aucuaagcuc uuaccuauga
 101 cagugauagg uuaugccuuu uacucgacuu uugcacugac ugaaaaggac
 151 aaauuaaugu uaaaaaagau acuuuuacug gcucugcuuc cugcaaucgc
 201 cuucgcagag gaacuuccug cuccaguaaa agcgauugaa aaacagggca
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 301 ggaaaguauu aggauauggg cgucaccauc uaccugacuc cagaugguaa
 351 gcacgcuauc ucugguuaca uguacaacga gaaaggugaa aaccugagua
 401 acacacuuau cgaaaaagaa auuuacgcac cagccggacg cgaaaugugg
 451 caacggauug aacaauccca cuggcuccuc gacgguaaaa aagaugcgcc
 501 ggucauuguc uacgucuucg ccgauccguu cugcccauau uguaaacagu
 551 ucuggcagca ggcgcgcccc ugguuagauu cuggcaaagu gcaauuaaga
 601 acauuguugg uugggguuau caagccagaa agcccggcgz cagcagcggc
 651 aaauucuugc uccaaagauc ccgcaaaaac cuggcaacaa uaugaagccu
 701 cugguggcaa gcuu

Figure 2

1 ctgcaggctg aggtgttgcc cttacaaatg caacaacgac atggattaca
 51 acaccctcat aaacaaaggg caatcacctg atctaagctc ttacctatga
 101 cagtgatagg ttatgccttt tactcgactt ttgcactgac tgaaaaggac
 151 aaattaatgt taaaaaagat acttttactg gctctgcttc ctgcaatcgc
 201 cttcgcagag gaacttcctg ctccagtaaa agcgattgaa aaacagggca
 251 ttacaatcat caaacattc gatgcccccg gaggaatgaa aggttatctc
 301 ggaaagtatc aggatatggg cgtcaccatc tacctgactc cagatggtaa
 351 gcacgctatc tctgggttaca tgtacaacga gaaagggtgaa aacctgagta
 401 acacacttat cgaaaaagaa atttacgcac cagccggacg cgaaatgtgg
 451 caacggatgg aacaatccca ctggctcctc gacggtaaaa aagatgcgcc
 501 ggtcattgtc tacgtcttcg ccgatccgtt ctgccatat tgtaaacagt
 551 tctggcagca ggcgcgcccg tgggtagatt ctggcaaagt gcaattaaga
 601 acattgttgg ttgggggttat caagccagaa agcccggcgz cagcagcggc
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 701 ctggtggcaa gctt

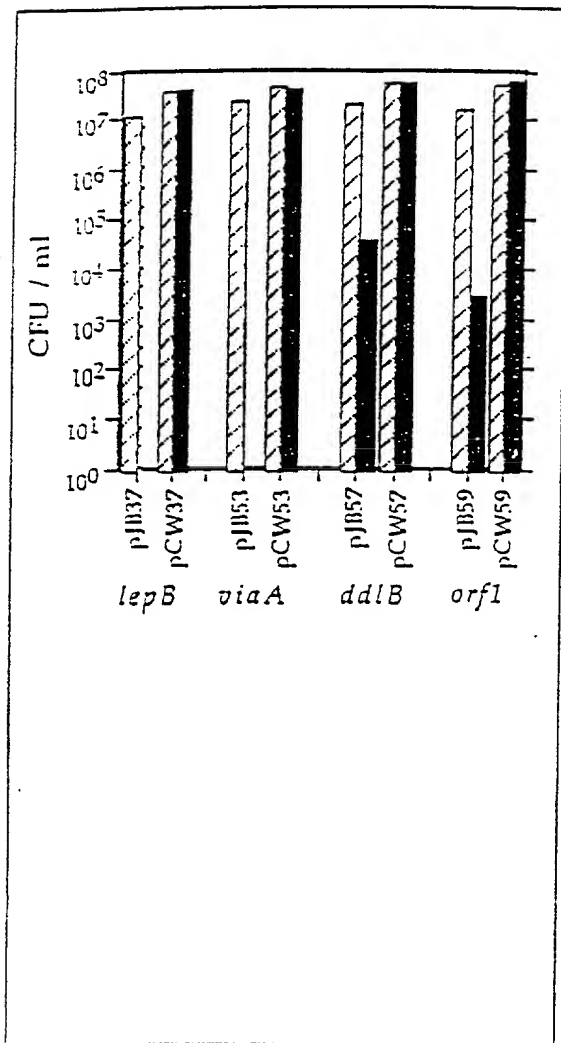
FIGURE 3

1 gaauucguac uaccaacugc gagaagcuca uaccugccug acgugccgcc
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101 cagauaaaac uguccaucgc uguccagcau aacgucaaua cguccccauc
151 cuuugcaacc uaacgucguc caugcuuua gcacuaaugc cugcaauuug
201 gccucuuug acgcuuccag accugcgggg cagaaauacu gugucucauc
251 agagagauac uucgcccuaa aucauagaa gguuccggac gguugaauac
301 guauugacgg uaaaauuucu ucaccgagua ucgcaaccgu gaacuccggc
351 ccacuuagcc auuuuucaau cauacuucu ucaucgugcu gaaaugccaa
401 ucuaaavgca ucuuguagag cauuuucugc uacuacuuuu gacauuccca
451 cacuggaacc uucgcggcuc ggcuaaacga uaaccggcaa acccagagca
501 gaaauuucug cuaacugcuu aucgcucagg ccuuuuucaa acucugcgcg
551 gguuaacgcu acccaccggc cgaccgguaa accggcaccu ugccaauagaa
601 guuugcugcg uaguuuaucc auugaaagcg cagaugccau cacuccgcuu
651 ccgguauaag scaagcccau cagcucgagc auccccugca gcguaccauc
701 uucaccgccg cgaccgugua gcgcgaauaa cacuuucuga aagcccaucg
751 acuucaguug cgucacgucg acuucuuucg gguccgacag auacgcguca
801 auaccgccuu cagcagucc ggcuaacacc gcugcgccag aaaucagaga
851 aacuucccg cagcgaggg ucccaccaa caggaccgcg auuuuauag
901 ucauguuguu cuuccuccgg aguuugcgcc uucaguuga uuucagcuaa
951 agaaccggca auuuuucaa uauuaccagc cccugaacg agaaucaggu
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FIGURE 4

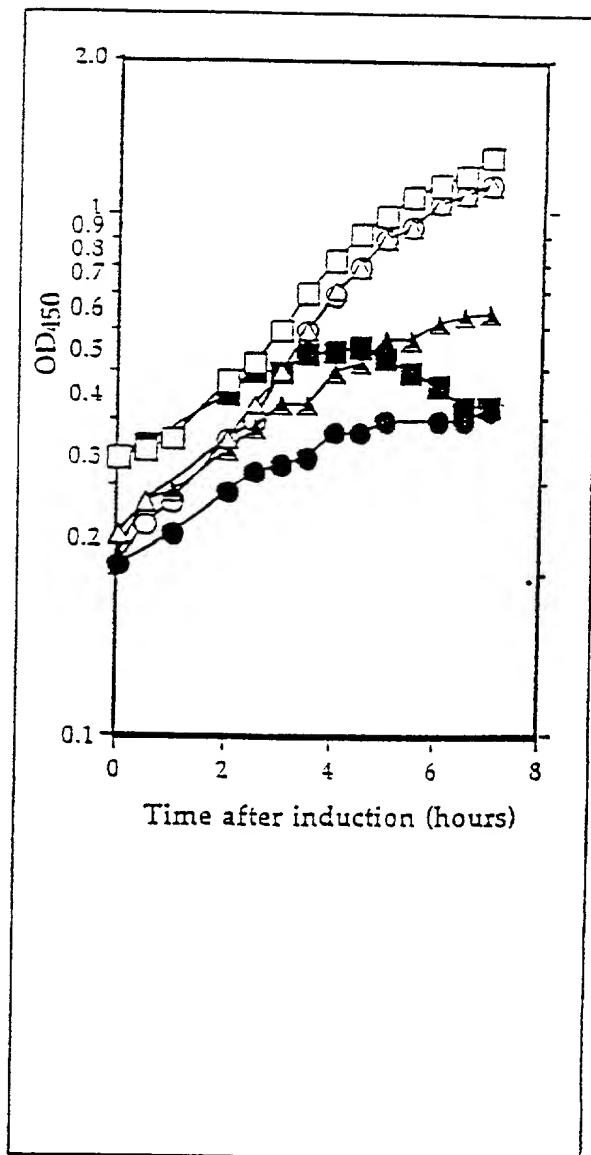
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201 gcacguugcc cugggacacg ucagcauaca guuggcuaac gaugauuugc
251 agauuaaccg ggccauucg accaaccaug uaaccacgcg cggucaucug
301 uuuuuccagc acuucugca gcaggaaacg cagaucgcg gaggcgguca
351 ggguaacgau uugauuauug cgggugacuu uugccagcgc cugaucggua
401 cgcugaucgg caccauuaau gcuuacggug acgcccauca ggcuuggauc
451 c

FIGURE 5



□ - IPTG
 ■ + IPTG

FIGURE 6



lepB pJB37 —□— pJB37 + IPTG
ddlB pJB57 —○— pJB57 + IPTG
orf1 pJB59 —△— pJB59 + IPTG

FIGURE 7

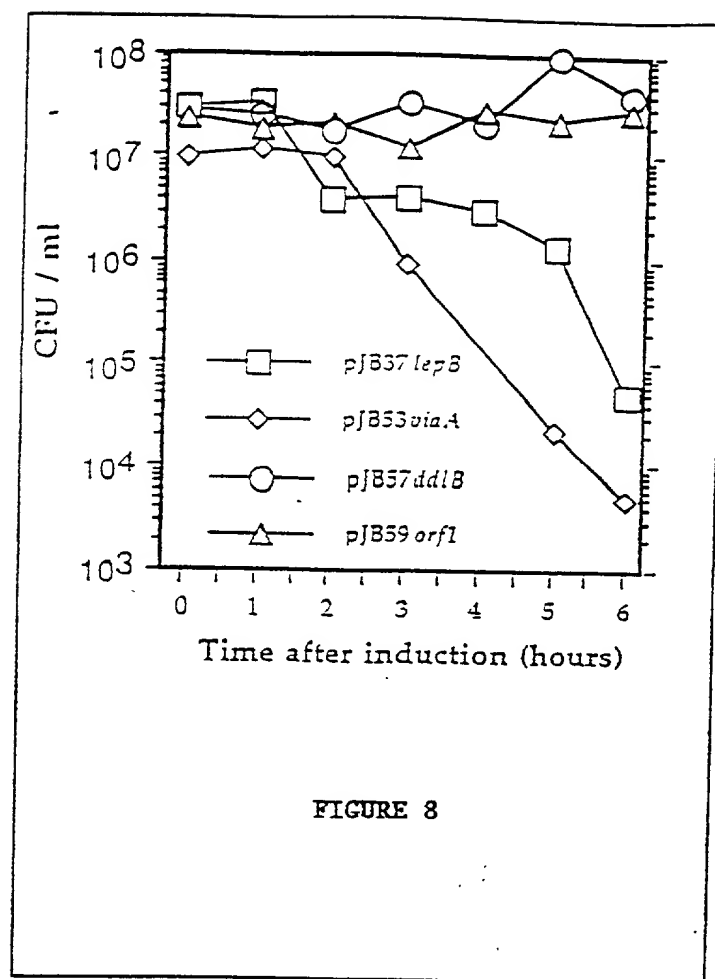


FIGURE 8

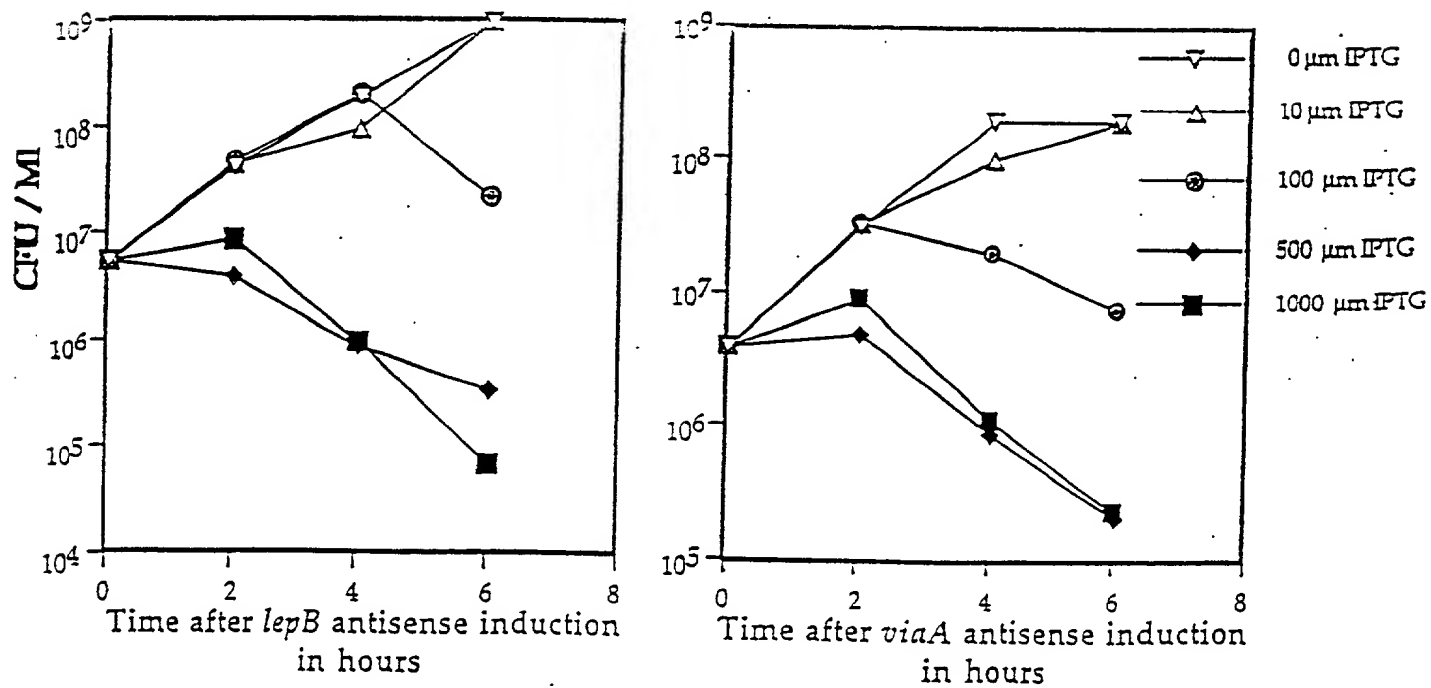


FIGURE 9

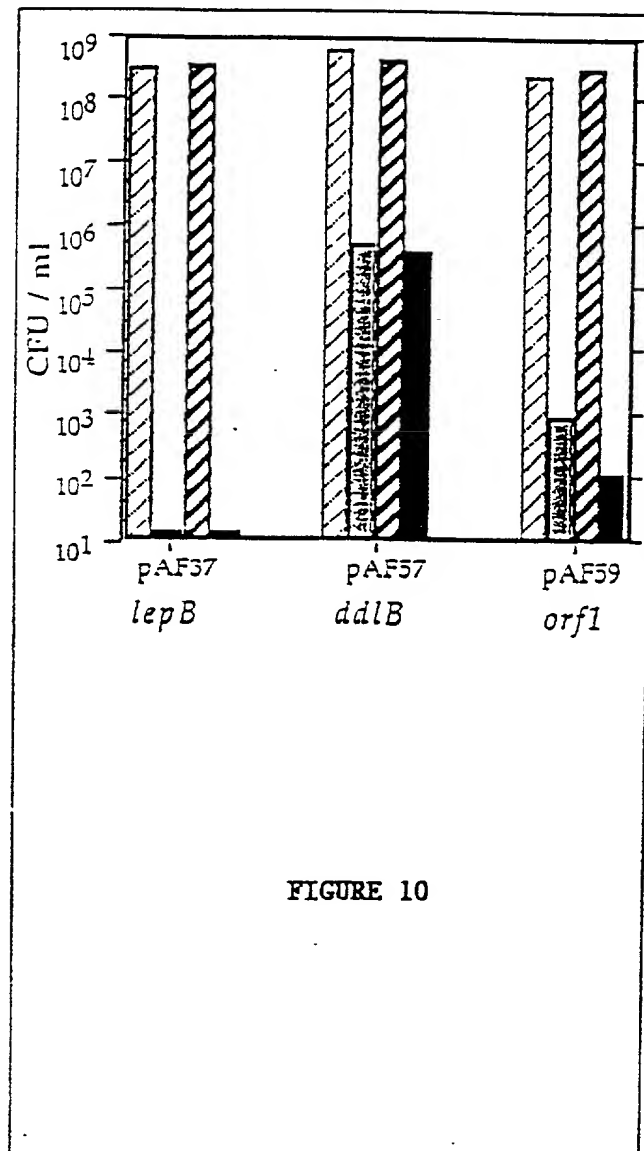


FIGURE 10

1 ctgcaggctt taatgataag atttgtgcgc taaatacgtt tgaatatgat
51 cgggatggca ataacgtgag tsgaatactg acgcgctggc gacagtttgg
101 taaacgctac ttctggccgc atctcttatt agggatgggtt gcggcgagtt
151 taggtttgcc tgcgctcagc aacgccgcgc aaccaaacgc gcccgcaaaa
201 gcgacaaccc gcaaccacga gccttcagcc aaagttaact ttgggtcaatt
251 ggccttgctg gaagcgaaca cagccgcgc gaattcgaac tattccgttg
301 attactggca tcaacatgcc attcgcaagg taatccgtca tctttcttcc
351 gcaatggcac cgcaaact gcccgttgct gaagaatctt tgcctcttca
401 ggcgcaacat cttgcattac tggatacgtc cagcgcgctg ctgacccagg
451 aaggcacgcc gtctgaaaag ggttatcgca ttgattatgc gcattttacc
501 ccacaagcaa aattcagcac gccgctctgg ataagccagg cgcaaggcat
551 ccgtgctggc cctcaacgcc tcacctaca acaataaacc tttacttcat
601 tttattaact ccgcaacgcg gggcgtttga gattttatta tgctaataca
651 attgttaact aaagttttcg gtatcgtaa cgatcgacc ctgcgcgga
701 tgcgcaaagt ggtcaacatc atcaatgcca tggaaccgga gatggaaaaa
751 ctctccgacg aagaactgaa agggaaaacc gcagagtttc gtgcacgtct
801 ggaaaaaggc gaagtgctgg aaaatctgat cccgga

FIGURE 11

1 uccgggauca gauuuuccag cacuucgccu uuuccagac gugcacgaaa
 51 cucugcgguu uucccuuua guucucguc ggagaguuu uccaucuccg
 101 guuccauggc auugaugaug uugaccacu ugcgcauccg gcgcagggug
 151 cgauCGUuac gacuaccgaa aacuuuaguu aacaauuuga uuagcauaau
 201 aaaaucucua acgccccgcg uugcgaguu aaauaauga aguaaagguu
 251 uauuguuguu agguagaggcg uugagggcca gcacggaugc cuugcgccug
 301 gcuuauccag acggcgugc ugaauuuugc uuguggggua aaugcgcau
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 401 gcgcugagcg uauccaguaa ugcaagaugu ugcgccugaa gaggcaaaga
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 651 uugguucggc ggcguugcug agcgcaggca aaccuaaacu cgccgcaacc
 701 auccuaaua agagaugcg ccagaaguag cguuaccaa acugucgcca
 751 gcgcgucagu auccacuca cguuauugcc auccgauca uauucaaacg
 801 uauuuagcg acaaucuua ucauuaaagc cugcag

FIGURE 12